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Attorney Docket No.: 2092-3-01

WHAT IS CLAIMED IS:

1. A method for automatically measuring network parameters relating to wireless network environments with a server and at least one test terminal, comprising the steps of:

connecting to the server when the test terminal is turned on;

sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end of the test in the at least one test terminal; and

if no test plan exists in the test terminal, automatically loading a test plan from the server; if the test plan is loaded in the test terminal, measuring the network parameters according to the test plan; collecting and parsing the measured network parameters to obtain sets of measured network parameters; and transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.

- 2. The method of claim 1, wherein the test terminal is installed in a fixed location.
- 3. The method of claim 1, wherein the test terminal is mobile.
- 4. The method of claim 3, wherein the network parameters are measured by using information representing a position at which the test terminal is currently located in the wireless environment at a test start time included in the test plan.
- 5. The method of claim 4, wherein position information is obtained from a global positioning system associated with the test terminal.
 - 6. The method of claim 1, wherein the test terminal has a mobile station with a diagnostic monitor function to measure the network parameters and a mobile station with a data

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service function to communicate data with the server.

- 7. The method of claim 1, wherein the step of collecting and parsing the measured network parameters further comprise decoding and storing the measured network parameters in a storage device.
- 8. The method of claim 7, wherein the step of transmitting the sets of measured network parameters further comprise:

turning on a mobile station with a data service function and connecting with the server using a modem or a RAS connection; and

sending the sets of decoded measured network parameters stored in the storage device to the server through the mobile station with the data service function.

- 9. The method of claim 1, wherein the wireless network environment is a CDMA system.
 - 10. The method of claim 1, further comprising:

downloading updated application programs to the test terminal from the server when the test terminal is initially connected to the server.

11. A system for automatically measuring network parameters relating to wireless network environments with a server and at least one test terminal, comprising:

means for connecting to the server automatically when the test terminal is turned on; means for sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end of the test in the at least one test terminal; and

if no test plan exists in the call test terminal, means for automatically loading a test plan from the server;

if the test plan is loaded in the test terminal, means for measuring the network parameters

according to the test plan; means for collecting and parsing the measured network parameters to obtain sets of measured network parameters; and means for transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.

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- 12. The system of claim 11, wherein the test terminal is installed in a fixed location.
- 13. The system of claim 11, wherein the test terminal installed in a moving object.
- 14. The system of claim 13, wherein the network parameters are measured by using information representing a position at which the test terminal is currently located in the wireless environment at a test start time included in the test plan.
- 15. The system of claim 14, wherein the position information is obtained from a global positioning system associated with the call test terminal.
- 16. The system of claim 11, wherein the test terminal has a mobile station with a diagnostic monitor function to measure the network parameters and a mobile station with a data service function to communicate data with the server.
- 17. The system of claim 11, wherein the collecting, parsing and transmitting means includes means for decoding and storing the collected network parameters in a storage device.
 - 18. The system of claim 11, wherein the transmitting means further comprise:
- means for turning on a mobile station with a data service function and connecting with the server using a modem or a RAS connection; and

means for sending the sets of decoded measured network parameters stored in the storage device to the server through the mobile station with the data service function.

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19. The system of claim 11, wherein the wireless network environment is a CDMA system.

- 5 20. The system of claim 11, further comprising:

 means for downloading updated application programs to the test terminals from the server when the test terminal is initially connected to the server.
 - 21. The system of claim 11, wherein the server further comprises:

 means for handling data input and output from a web based user interface; and

 means for transferring to the test terminal control commands including the test plan and
 terminal software received through the web based user interface.
 - 22. The system of claim 11, wherein the server further comprises:

 means for showing current RF status coming from the test terminal;

 means for sending alarm list generated based on RF status coming from the terminal to users by email;

means for showing current data transmission status between the test terminal and the server on a web based user interface; and

means for sending HTML RF analysis reports generated by analyzing the collected network parameters stored in a database.

23. An article of manufacture containing code for automatically measuring network parameters relating to wireless network environments having a server and at least one test terminal, comprising a computer usable media including at least one computer program embedded therein that is capable or causing at least one computer to perform:

connecting to the server automatically when the test terminal is turned on;

sending power-on registration data representing a current test state of the test terminal, wherein the power-on registration data contains information indicating a start, interruption or end

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of the test in the at least one test terminal; and

if no test plan exists in the test terminal, automatically loading a test plan from the server; if the test plan is loaded in the test terminal, measuring the network parameters according to the test plan; collecting and parsing the measured network parameters to obtain sets of measured network parameters; and transmitting the sets of measured network parameters to the server when there is a data transmission request from the server or a predetermined set time according to the test plan.